

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102815\  
 Data File : BG019416.D  
 Acq On : 29 Oct 2015 13:56  
 Operator : UM/NP  
 Sample : G4120-11DL 5X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LT4DL

Quant Time: Oct 30 01:18:20 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.21  | 152  | 30024    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.03 | 136  | 119926   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.84 | 164  | 87463    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.57 | 188  | 221876   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.86 | 240  | 272547   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.25 | 264  | 252573   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |       |
|--------------------------------|-------|-----|-------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.50  | 96  | 500   | 0.80 | ng/uL | -0.02 |
| 5) Phenol-d5                   | 7.36  | 99  | 4472  | 1.62 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.51  | 67  | 9511  | 5.44 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.73  | 132 | 8775  | 5.10 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.92  | 113 | 7066  | 3.22 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.38  | 128 | 5751  | 6.53 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 6396  | 6.11 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.65 | 165 | 12692 | 5.59 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.16 | 131 | 428   | 0.19 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 14.23 | 166 | 45056 | 6.25 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.53 | 160 | 51011 | 6.39 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 15.03 | 143 | 1082  | 0.94 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.82 | 176 | 47215 | 7.08 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.93 | 200 | 8698  | 6.06 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.67 | 188 | 65009 | 6.43 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.95 | 212 | 75430 | 6.32 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 25.01 | 264 | 81148 | 6.40 | ng/ul | 0.00  |

## Target Compounds

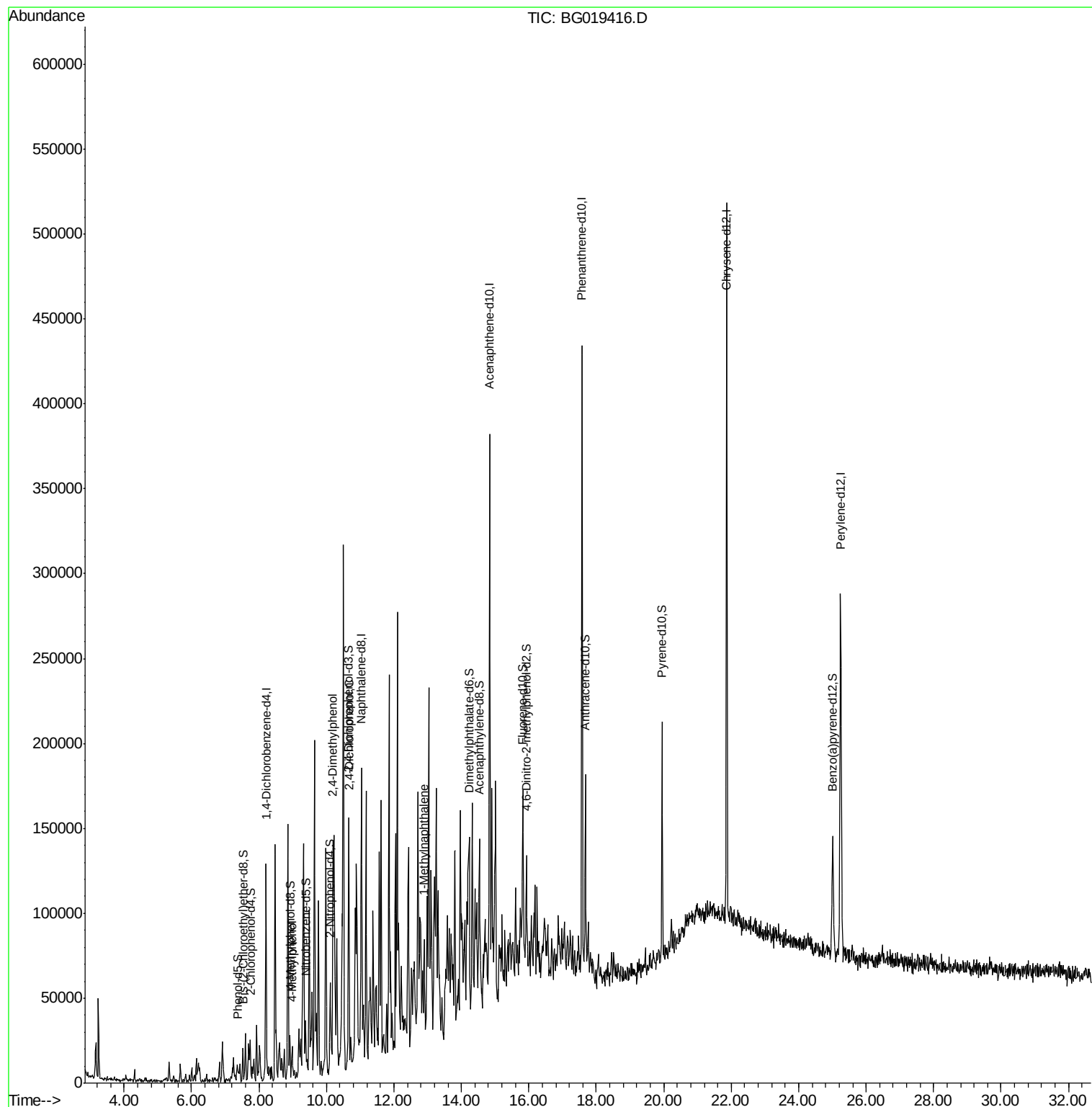
|                         |       |     |       |       |        | Qvalue |
|-------------------------|-------|-----|-------|-------|--------|--------|
| 16) 4-Methylphenol      | 8.98  | 108 | 5317  | 2.24  | ng/ul# | 73     |
| 24) 2,4-Dimethylphenol  | 10.19 | 107 | 48186 | 15.52 | ng/ul  | 93     |
| 27) 2,4-Dichlorophenol  | 10.67 | 162 | 2568  | 1.18  | ng/ul# | 44     |
| 35) 1-Methylnaphthalene | 12.89 | 142 | 6094  | 1.34  | ng/ul# | 90     |

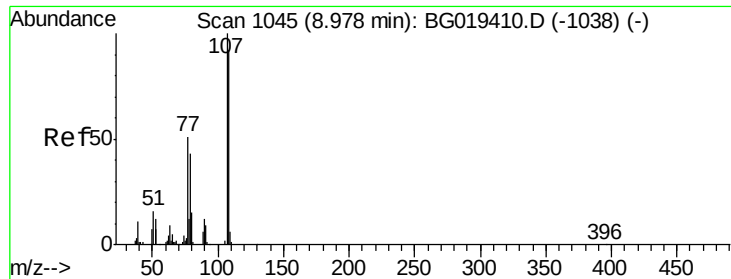
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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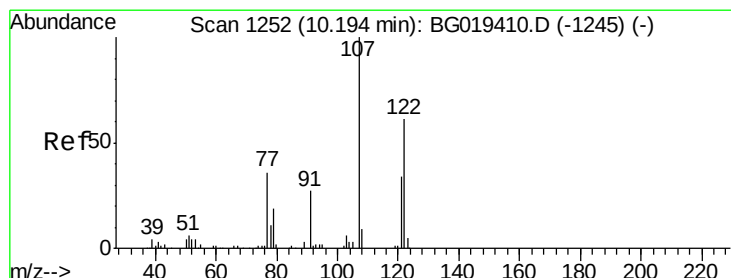
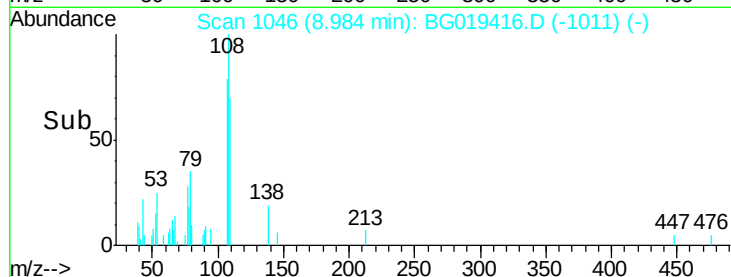
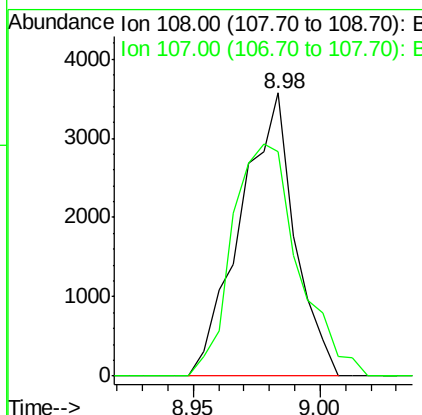
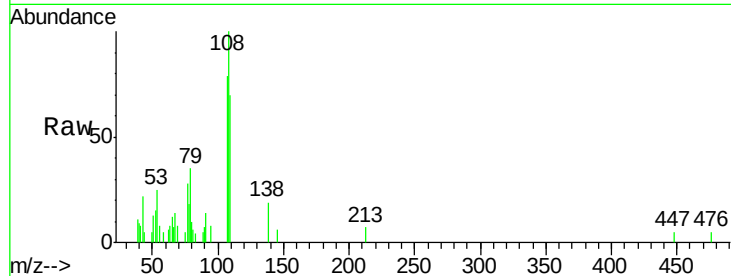




#16  
 4-Methylphenol  
 Concen: 2.24 ng/ul  
 RT: 8.98 min Scan# 1046  
 Delta R.T. 0.01 min  
 Lab File: BG019416.D  
 Acq: 29 Oct 2015 13:56

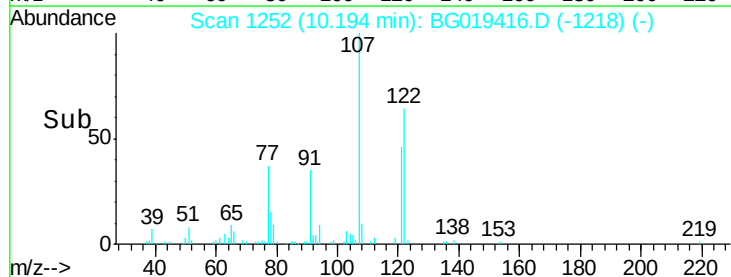
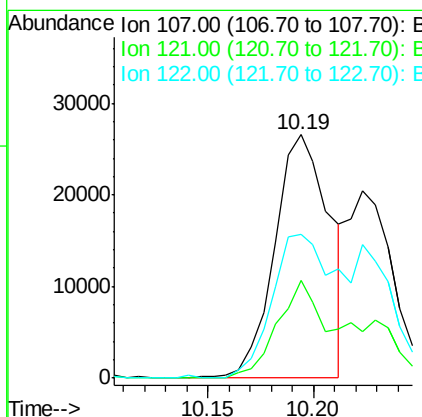
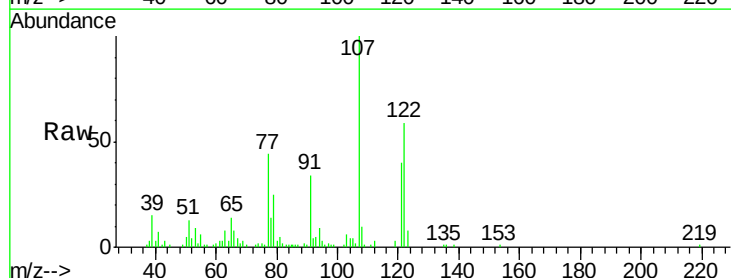
Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LT4DL

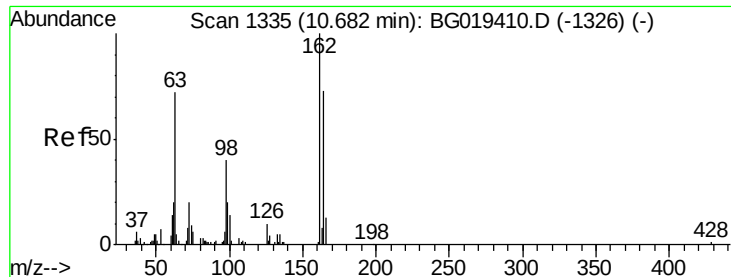
Tgt Ion:108 Resp: 5317  
 Ion Ratio Lower Upper  
 108 100  
 107 79.3 85.4 128.2#



#24  
 2,4-Dimethylphenol  
 Concen: 15.52 ng/ul  
 RT: 10.19 min Scan# 1252  
 Delta R.T. -0.00 min  
 Lab File: BG019416.D  
 Acq: 29 Oct 2015 13:56

Tgt Ion:107 Resp: 48186  
 Ion Ratio Lower Upper  
 107 100  
 121 40.2 33.0 49.4  
 122 59.1 54.2 81.2





#27

2,4-Dichlorophenol

Concen: 1.18 ng/ul

RT: 10.67 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BG019416.D

Acq: 29 Oct 2015 13:56

Instrument :

BNA\_G

ClientSampleId :

E5LT4DL

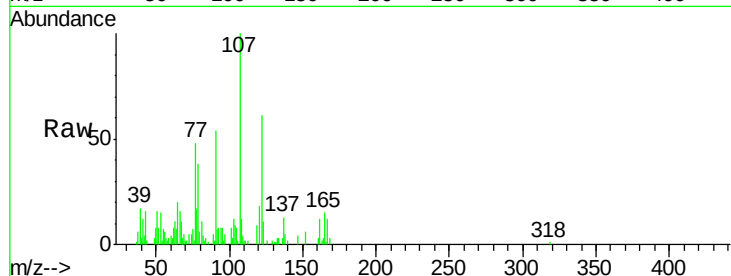
Tgt Ion:162 Resp: 2568

Ion Ratio Lower Upper

162 100

164 21.6 52.1 78.1#

98 0.0 26.9 40.3#

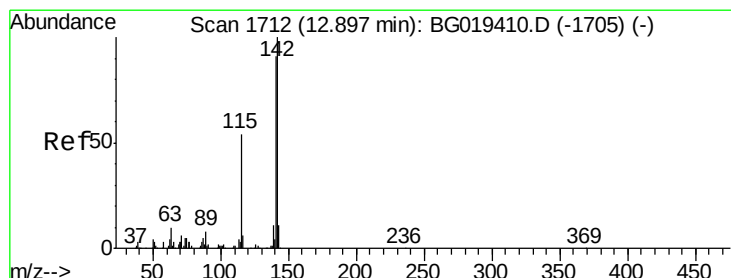
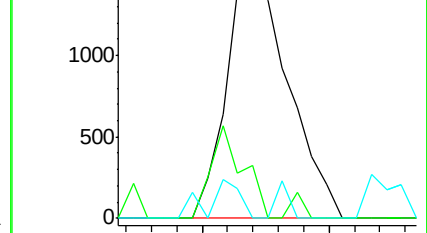
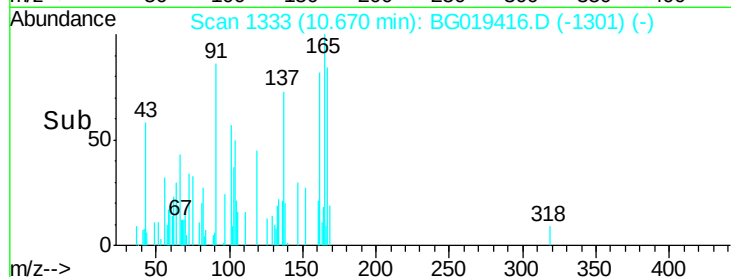


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B

Time-->



#35

1-Methylnaphthalene

Concen: 1.34 ng/ul

RT: 12.89 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BG019416.D

Acq: 29 Oct 2015 13:56

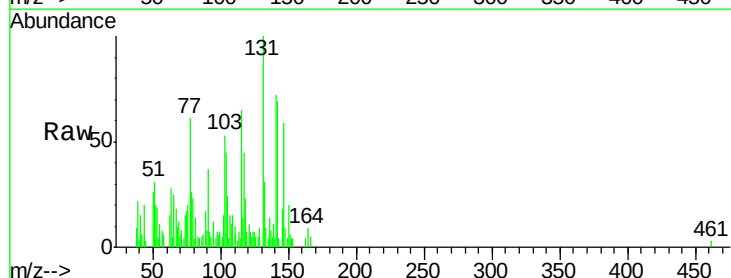
Tgt Ion:142 Resp: 6094

Ion Ratio Lower Upper

142 100

141 103.7 76.5 114.7

116 20.4 5.4 8.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

Time-->

